

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 02-153972

(43)Date of publication of application : 13.06.1990

(51)Int.Cl.

C08L101/06
C08G 18/00
C08L 3/00
C08L 3/00
C08L 79/04
C08L101/08
/(C08L101/06
C08L 79:04)
(C08L101/08
C08L 79:04)

(21)Application number : 01-059142

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(22)Date of filing : 10.03.1989

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(30)Priority

Priority number : 63 57863 Priority date : 11.03.1988 Priority country : JP

(54) CURABLE RESIN COMPOSITION, POWDER COATING AND MOLDED ARTICLE

(57)Abstract:

PURPOSE: To obtain a curable resin composition having excellent flexibility, heat-resistance, chemical resistance, etc., and applicable to powder coating and molded article by compounding a polyfunctional cyanate compound, etc., to a thermoplastic resin having functional group reactive with cyanato group.

CONSTITUTION: The objective composition is produced by compounding (A) 100 pts. wt. of a thermoplastic resin having functional group reactive with cyanato group (e.g. partially saponified polyvinyl acetate) with (B) 10-100 pts. wt. of a polyfunctional cyanate compound or 20-120 pts. wt. of the above cyanate compound and a polyfunctional maleimide compound in total, (C) 5-100 pts. wt. of a melt-viscosity modifier (e.g. various polyol compounds) consisting of a low-molecular compound or an oligomer compound containing one or more functional groups reactive with the above polyfunctional cyanate compound and/or the thermoplastic resin and, as necessary, (D) an inorganic filler and (E) an organic peroxide and/or a polyisocyanate compound.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]